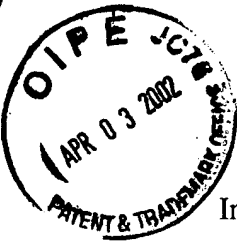


Attorney Docket No: EVOY002/00US

PATENT

3
Ld
4/16/02



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Louis R. BROTHERS, Jr., et al.

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Serial No.: 09/987,722

Examiner: Unassigned

APR 03 2002

Confirmation No.: 7697

Art Unit: 2681

Technology Center 2600

Filed: November 15, 2001

For: METHOD AND APPARATUS FOR RECEIVED UPLINK-SIGNAL BASED
ADAPTIVE DOWNLINK DIVERSITY WITHIN A COMMUNICATION
SYSTEM

Commissioner for Patents
Washington, D.C. 20231

**REVOCATION AND NEW POWER BY ASSIGNEE
AND STATEMENT UNDER 37 C.F.R. §3.73(b)**

The Assignee of the entire right, title, and interest in the above-identified application hereby revokes all previously granted powers and grants the registered practitioners of Texas Instruments, Inc. included in the Customer Number provided below power to act, prosecute, and transact all business in the U.S. Patent and Trademark Office in connection with this application, any applications claiming priority to this application, and any patents issuing therefrom.

The assignee certifies that to the best of its knowledge and belief it is the owner of the entire right, title, and interest in and to the above-identified application as evidenced by:

[x] An assignment document, a copy of which is enclosed herewith;

☐ An assignment previously recorded in the U.S. Patent and Trademark Office at Reel , Frame .

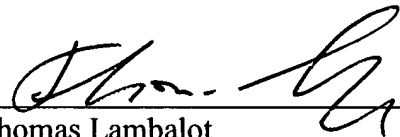
Please direct all telephone calls and correspondence to:

Texas Instruments, Inc.
ATTN: Patents
7839 Churchill Way
MS 3999
Dallas, Texas 75251-1900
Tel: (972) 917-5271
Fax: (972) 917-4415

CUSTOMER NUMBER: **23494**

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date: 4-1-02

Signature: 

Name: Thomas Lambalot

Title: President and Chief Executive Officer

Company: Envoy Networks, Inc.



JANUARY 17, 2002

COOLEY GODWARD LLP
CHRISTOPHER R. HUTTER
ONE FREEDOM SQUARE, RESTON TOWN CENTER
11951 FREEDOM DRIVE
RESTON, VA 20190-5601

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



101899325A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/15/2001

REEL/FRAME: 012313/0218
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)

ASSIGNOR:

BROTHERS JR., LOUIS R.

DOC DATE: 10/17/2001

ASSIGNOR:

CANGEME, JOHN

DOC DATE: 10/17/2001

ASSIGNOR:

FLAIG, ALEXANDER

DOC DATE: 10/17/2001

ASSIGNOR:

MACMULLAN, SAMUEL J.

DOC DATE: 10/18/2001

ASSIGNOR:

POOR, H. VINCENT

DOC DATE: 11/12/2001

ASSIGNOR:

RAO, TANDHONI S.

DOC DATE: 10/17/2001

ASSIGNOR:

SCHWARTZ, STUART C.

DOC DATE: 11/12/2001

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COOLEY GODWARD LLP

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012313/0218 PAGE 2

ASSIGNOR:

UPADHYAY, TRIVENI N.

DOC DATE: 10/25/2001

ASSIGNEE:

ENVOY NETWORKS, INC.
23 FOURTH AVENUE
BURLINGTON, MASSACHUSETTS
01803-
3303

SERIAL NUMBER: 09987722

PATENT NUMBER:

FILING DATE: 11/15/2001

ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

11-23-2001

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (Exp. 4/94)

R



ET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Attorney Docket No. EVOY002/00US

101899325

To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Louis R. BROTHERS, Jr., John CANGEME, Alexander FLAIG, Samuel J. MACMULLAN, H. Vincent POOR, Tandhoni S. RAO, Stuart C. SCHWARTZ, and Triveni N. UPADHYAY
*11/15/01*Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

2. Name and address of receiving party(ies):

Envoy Networks, Inc.
23 Fourth Avenue
Burlington, Massachusetts 01803-3303

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APR 05 2002

Technology Center 2600

Additional name(s) attached? ☐ Yes ☒ No

Execution Date: 10/17/01; 10/17/01; 10/17/01; 10/18/01; 11/12/01; 10/17/01; 11/12/01; and 10/25/01, respectively

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is: 10/17/01; 10/17/01; 10/17/01; 10/18/01; 11/12/01; 10/17/01; 11/12/01; and 10/25/01, respectively
09/18/7722

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Cooley Godward LLP
One Freedom Square
Reston Town Center
11951 Freedom Drive
Reston, VA 20190-5601
Tel: (703) 456-8000
Fax: (703) 456-8100

Customer No. 022903

6. Total number of application and patents involved: ☒ 1

7. Total Fee (37 C.F.R. §3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 50-1283
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Reg. No.: 41,087

Name of Person Signing: Christopher R. Hutter

Signature: *[Signature]*

Date: November 15, 2001

Total number of pages including cover sheet, attachments, and document: (4)

11/19/2001 RADDF01 00000012 09987722

03 FC:581

40.00 DP

10978 U.S. PTO

11/15/01

ASSIGNMENT
(Joint)

Louis R. BROTHERS, Jr., John CANGEME, Alexander FLAIG, Samuel J. MACMULLAN, H. Vincent POOR, Tandhoni S. RAO, Stuart C. SCHWARTZ, and Triveni N. UPADHYAY, residing at 28 Charlotte Street, Dorchester, Massachusetts 02121; 21 Richardson Street, Billerica, Massachusetts 01821; 30 Hawthorne Village, Concord, Massachusetts 01742; 5 Hillside Drive, Carlisle, Massachusetts, 01741; 59 Hardy Drive, Princeton, New Jersey, 08540; 2 Parker Road, Ashland, Massachusetts 01721; 4 Evelyn Place, Princeton, New Jersey 08540; and 156 Caterina Heights, Concord, Massachusetts 01742, respectively, (hereinafter each referred to as "Assignor") have made an invention(s) relating to certain new and useful improvements in:

**METHOD AND APPARATUS FOR RECEIVED UPLINK-SIGNAL BASED
ADAPTIVE DOWNLINK DIVERSITY WITHIN A COMMUNICATION
SYSTEM**

set forth in an application for Letters Patent of the United States, which is a

- (1) ☐ [] provisional application
 - (a) ☐ [] to be filed herewith; or
 - (b) ☐ [] bearing Application No. , and filed on ; or
- (2) ☒ [X] non-provisional application
 - (a) ☒ [X] having an oath or declaration executed on prior to filing of application; or
 - (b) ☐ [] bearing Application No. , and filed on ; and

WHEREAS, Envoy Networks, Inc., a corporation duly organized under and pursuant to the laws of the state of Delaware, and having its principal place of business at 23 Fourth Avenue Burlington, Massachusetts 01803-3303 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said invention(s), the right to file applications on said invention(s) and the entire right, title and interest in and to any applications, including provisional applications, for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned invention(s), the right to file applications on said invention(s) and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the Paris Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and

entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is a lawful owner of the entire right, title, and interest in and to the invention(s) set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s) or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention(s) in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD L.L.P. to insert in the spaces provided above the filing date, application number, the date of execution of the oath or declaration, and attorney docket number of said application when known;

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said invention(s) and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 10/17/01

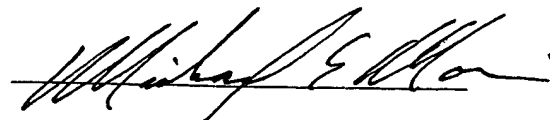
By: 

Louis R. BROTHERS, Jr.

State of: Massachusetts

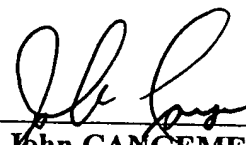
County of: Middlesex

The preceding Assignment was acknowledged before me this 17th day of October 2001
by Michael E. Morin


Notary Public

My Commission Expires: 6/2/2006

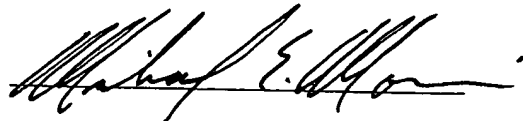
Date: 10/17/01

By: 
John CANGEME

State of: Massachusetts

County of: Middlesex

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by Michael R. Morin



Notary Public

My Commission Expires: 6/02/2006

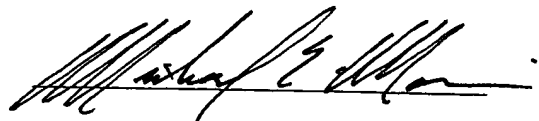
Date: 10/17/01

By: 
Alexander FLAIG

State of: MASSACHUSETTS

County of: MIDDLESEX


The preceding Assignment was acknowledged before me this 17th day of October 2001
by Michael R. Morin



Notary Public

My Commission Expires: 6/02/2006

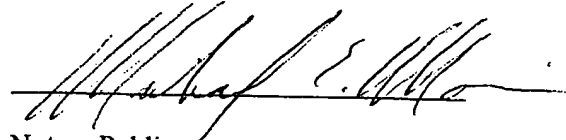
Date: 10/18/01

By: 
Samuel J. MACMULLAN

State of: Massachusetts

County of: Middlesex

The preceding Assignment was acknowledged before me this 18th day of October 2001
by Michael R. Morin



Notary Public

My Commission Expires: 6/02/2006

Date: Nov 12, 2001

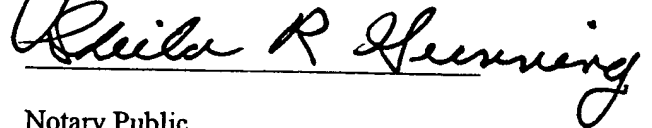
By: 

H. Vincent POOR

State of: New Jersey

County of: Merse

The preceding Assignment was acknowledged before me this 12th day of November 2001 by Sheldon R. Henning



Notary Public

My Commission Expires: 5/22/2006

Date: 10/17/01

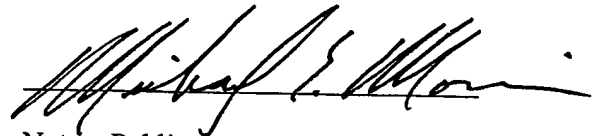
By: 

Tandhoni S. RAO

State of: Massachusetts

County of: Middlesex

The preceding Assignment was acknowledged before me this 17th day of October 2001 by Michael E. Morin



Notary Public

My Commission Expires: 6/02/2006

Date: Nov. 12, 2001

By: Stuart C. Schwartz
Stuart C. SCHWARTZ

State of: New Jersey

County of: Mercer

The preceding Assignment was acknowledged before me this 12th day of November
2001 by Shelley R. Guernsey

Shelley R. Guernsey
Notary Public

My Commission Expires: 5/22/2006

Date: October 25, 2001

By: Triveni N. Upadhyay
Triveni N. UPADHYAY

State of: Massachusetts

County of: Middlesex

The preceding Assignment was acknowledged before me this 25th day of October
2001 by Michael E. Morin

Michael E. Morin

Notary Public

My Commission Expires: 6/02/2006